

FIG·2

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# 67

28×2,2=62 MIPS DS

#### PERFORMANCE OF CHANNEL CODEC ROUTINES

routines	DSP utilisation	C5x proc. protocol pp utilisation
16 bit CRC identification	6 instr/bit 5 instr/bit	4 instr/bit 1 instr/bit
RATIO		
sel/instr efficiency no. of trans.	*1 58 KTx	*2,2 6,5 KTx

FIG·3

28 MIPS

#### PERFORMANCE OF MODEM ROUTINES

MIPS

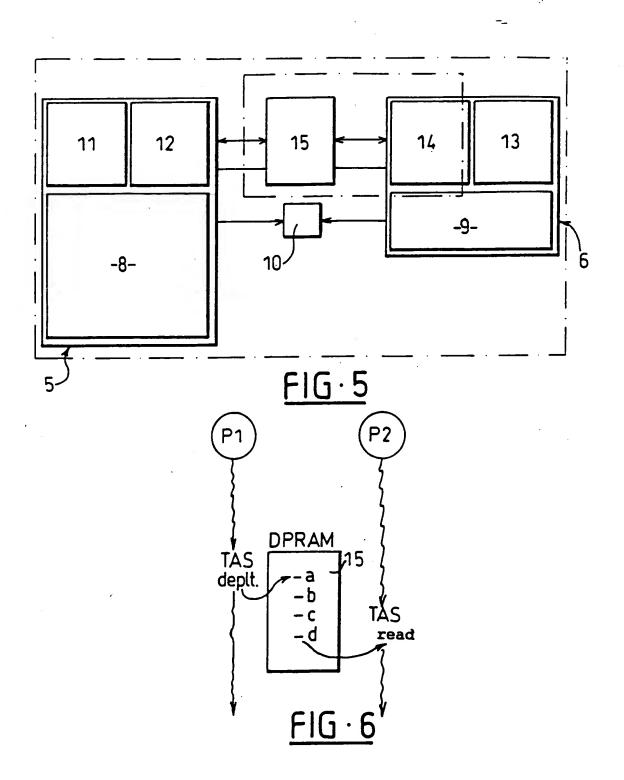
routines	DSP utilisation C5x	array proc.
metric computation 57 symbols (4 samples)	- 43800 cycles	4400 cycles

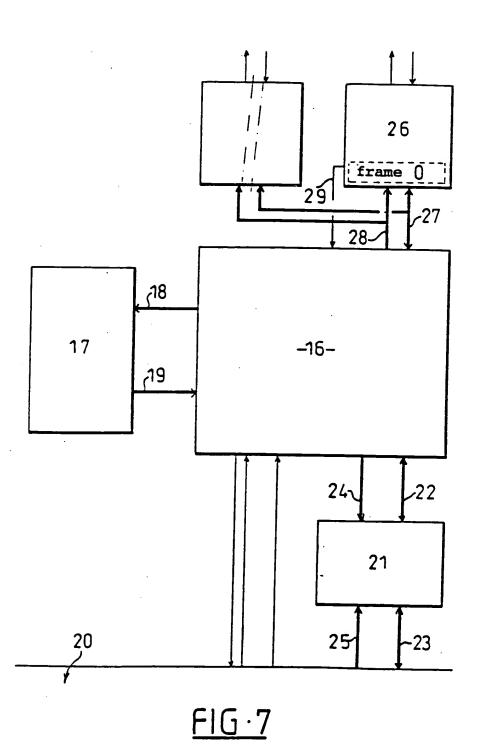
RATIO		
instruction setting efficiency MIPS	≆1 28 MIPS	*10 28*10= 280 MIPS DSP

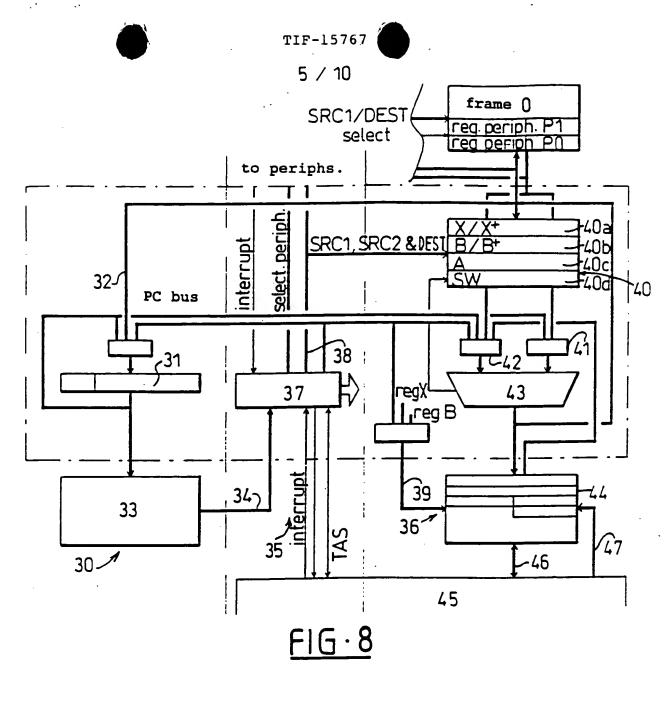
<u> FIG -4</u>

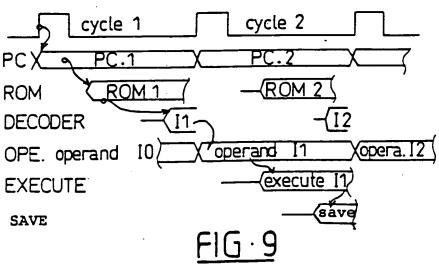
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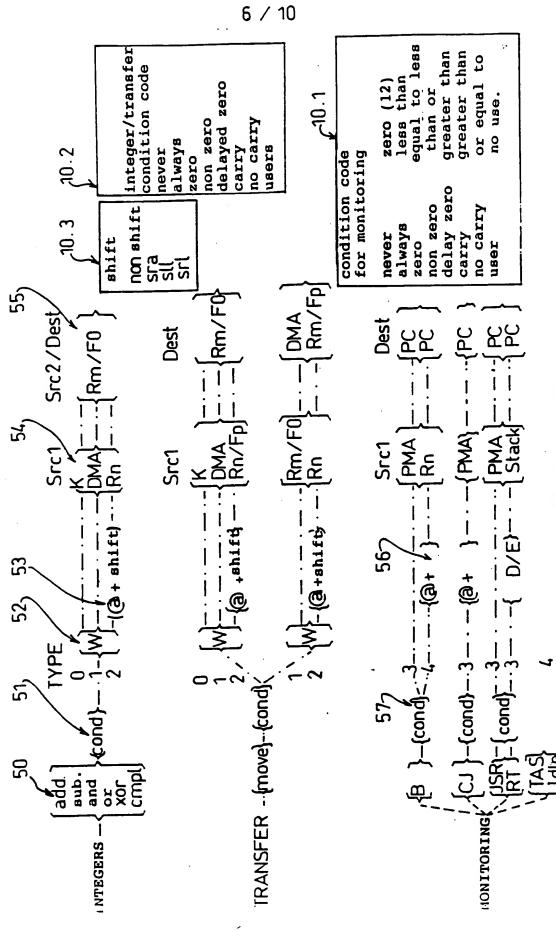
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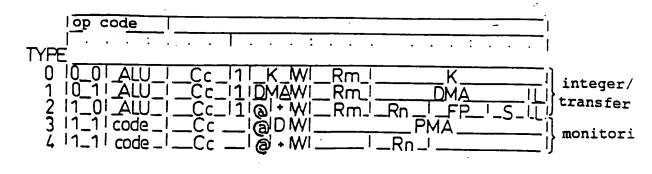








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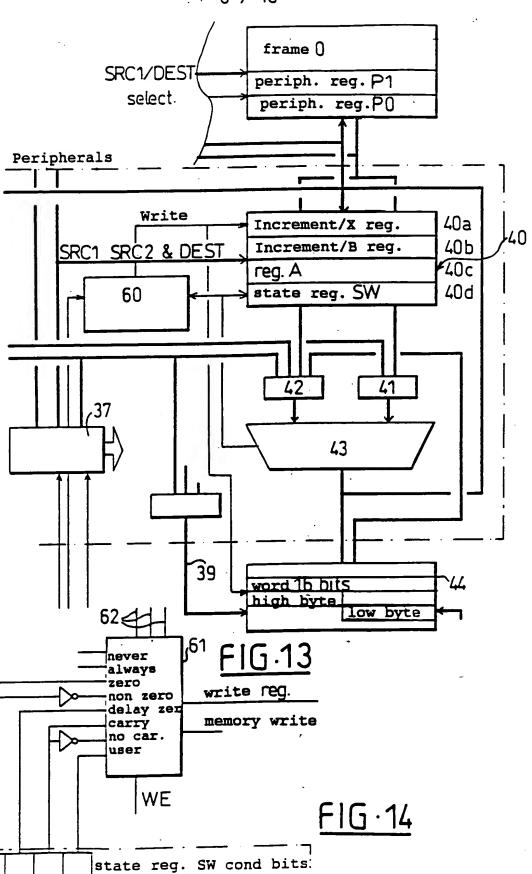


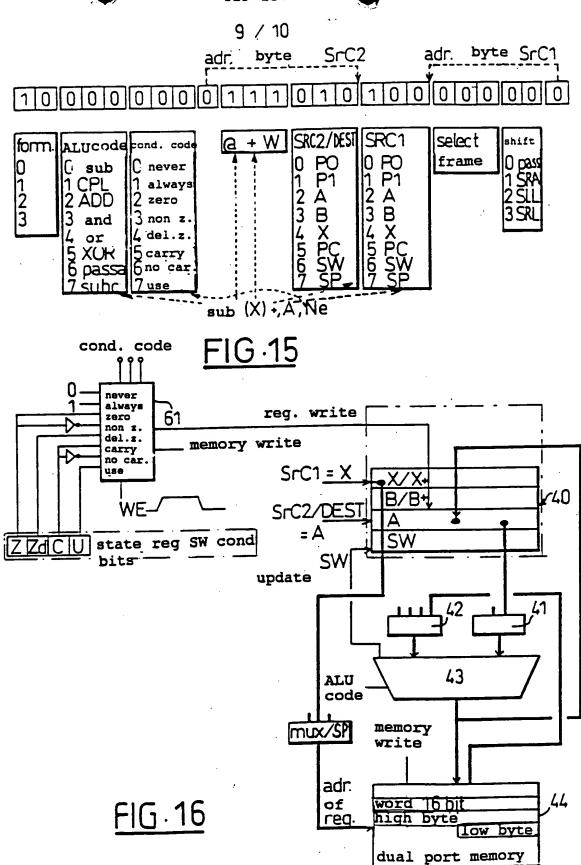
## FIG·11

ALU	Code	Cc	
0 - sub 1 - CPL 2 - add 3 - and 4 - or 5 - XOR 6 - PASSA 7 - SUBC	0 - ST type 1 1 - ST type 2 2 - B type 3 3 - B type 4 4 - CALL 5 - RTS 6 - RTI 7 - STOP	0 - never 1 - always 2 - Z 3 - NZ 4 - ZD 5 - C 6 - NC 7 - user	8 - Z12 9 - LO 10 - LE 11 - G 12 - GE 13 - NU 14 - (BL) 15 -
Rm/Rn 0 - P0 1 - P1 2 - A 3 - B 4 - X 5 - PC 6 - SW	W 0 - R/W byte 1 - R/W word	0 - Rm low 1 - Rm high	S 0 - PASS 1 - SRA 2 - SLL 3 - SRL
6 - SW 7 - SP 	~ <del>-&gt;</del>	0 - DMA/Rn low 1 - DMA/Rn high	

FIG · 12

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